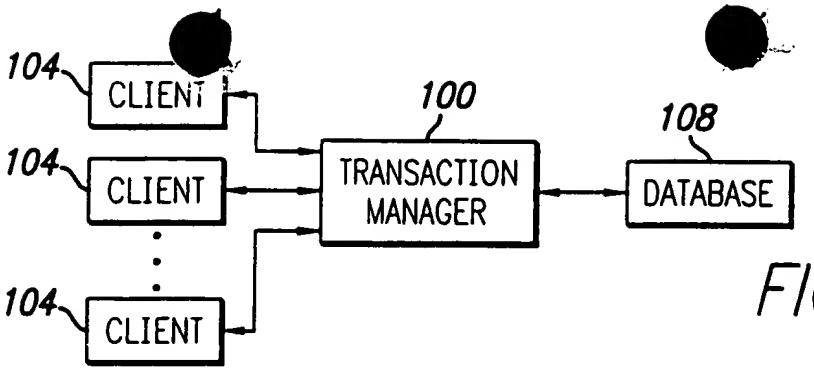


FIG. 1

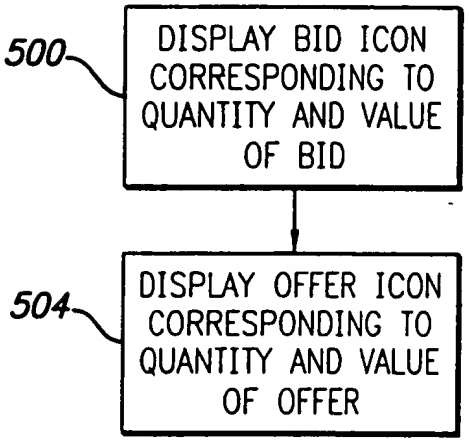


FIG. 5

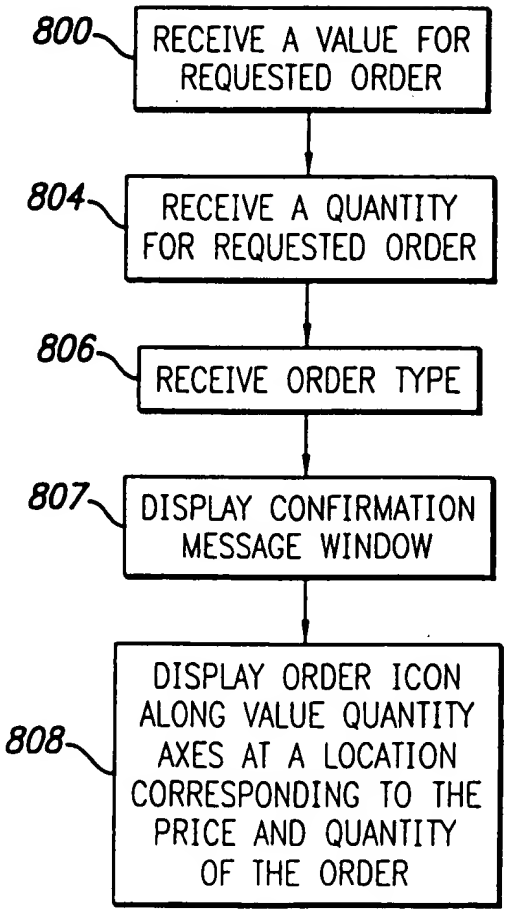


FIG. 8

FIG. 2

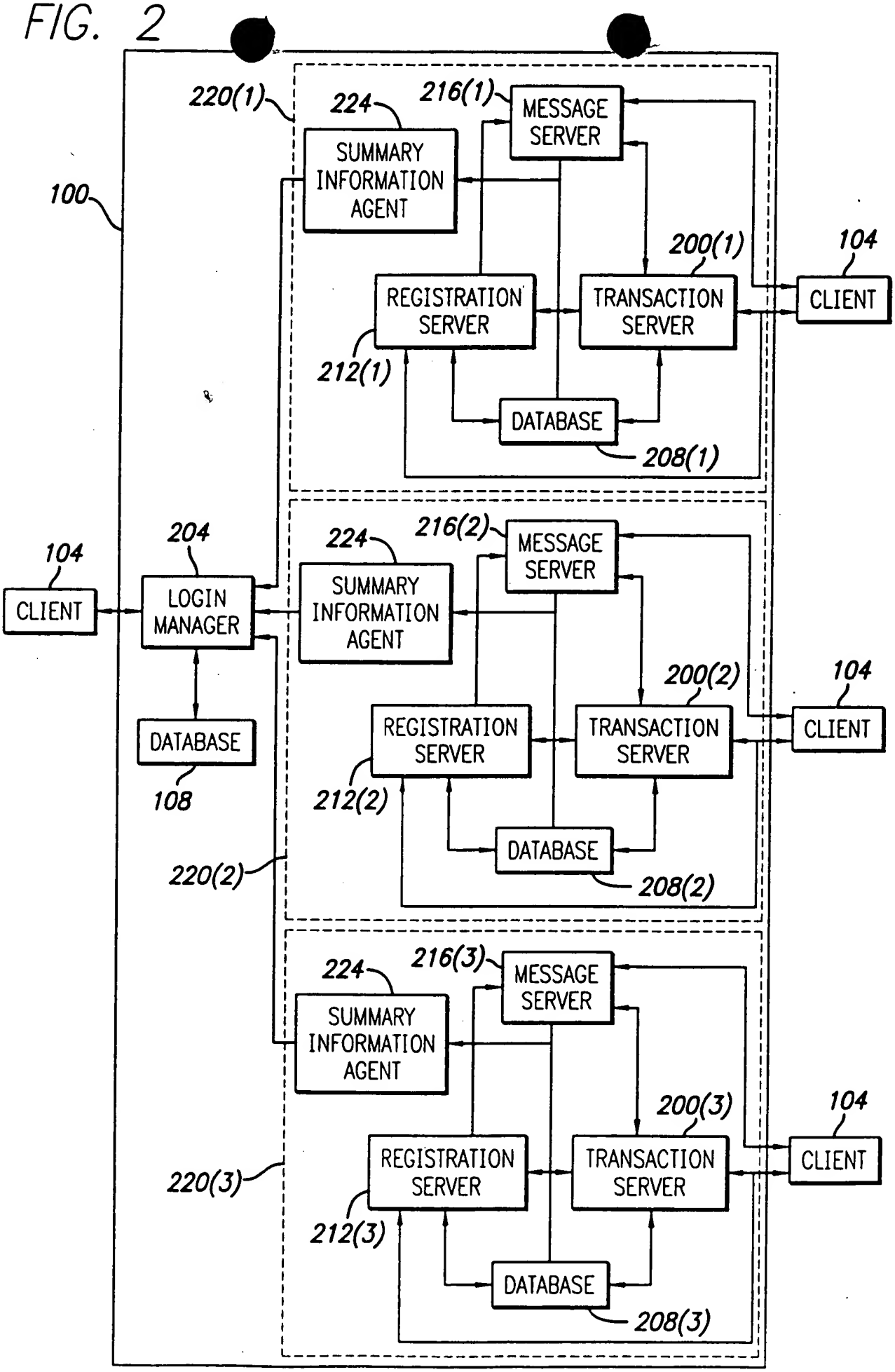
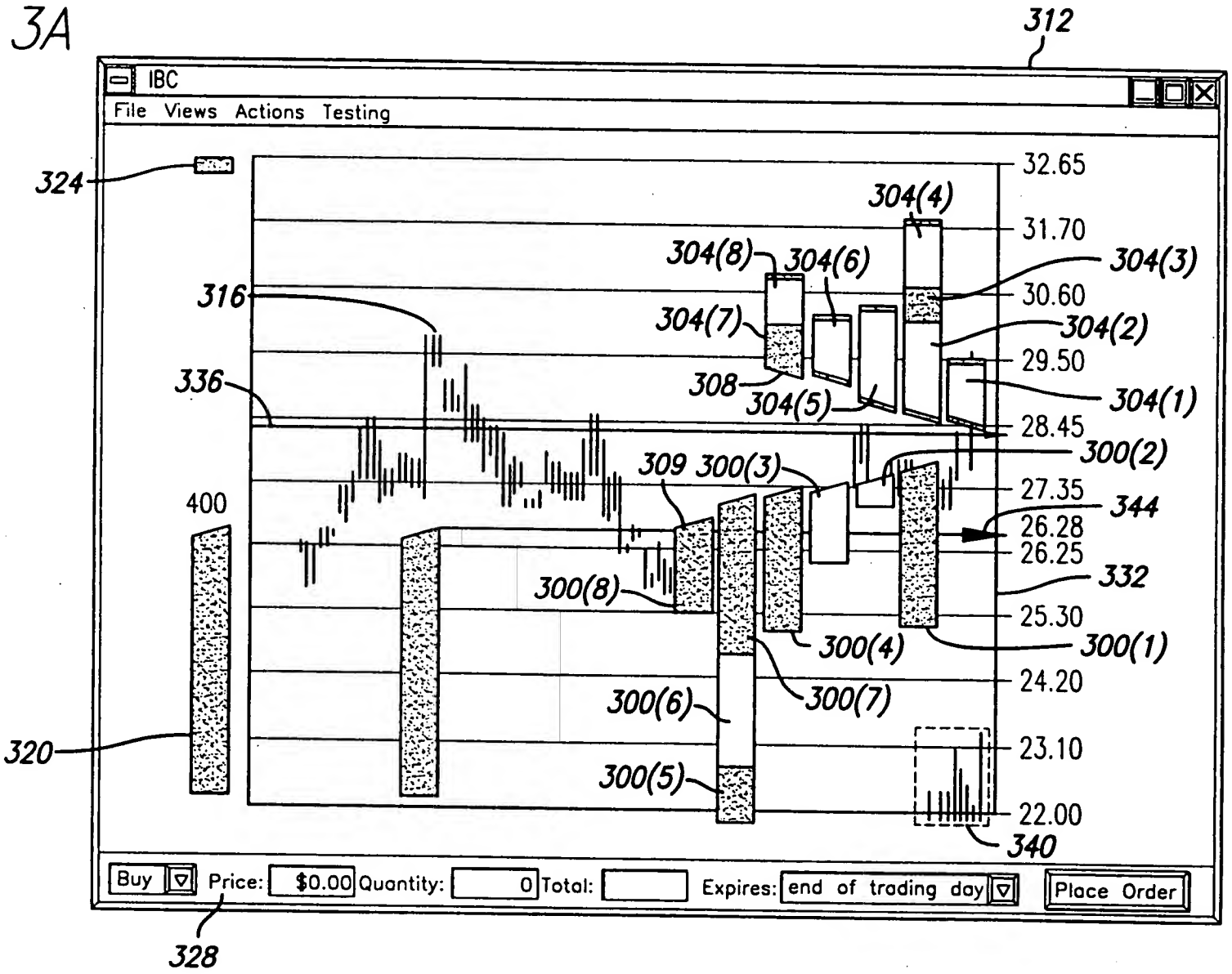

100
220(1)
224
216(1)
MESSAGE SERVER
SUMMARY INFORMATION AGENT
200(1)
104
REGISTRATION SERVER
TRANSACTION SERVER
CLIENT
212(1)
DATABASE
208(1)
204
216(2)
224
MESSAGE SERVER
104
CLIENT
LOGIN MANAGER
SUMMARY INFORMATION AGENT
200(2)
104
DATABASE
REGISTRATION SERVER
TRANSACTION SERVER
CLIENT
108
212(2)
DATABASE
220(2)
208(2)
216(3)
224
MESSAGE SERVER
SUMMARY INFORMATION AGENT
200(3)
104
220(3)
REGISTRATION SERVER
TRANSACTION SERVER
CLIENT
212(3)
DATABASE
208(3)

FIG. 3A


312
IBC
File Views Actions Testing
324
316
336
400
320
328
340
32.65
31.70
30.60
29.50
28.45
27.35
26.28
26.25
25.30
24.20
23.10
22.00
304(4)
304(8)
304(6)
304(3)
304(7)
304(2)
308
304(5)
304(1)
309
300(3)
300(2)
344
300(8)
332
300(4)
300(1)
300(7)
300(6)
300(5)
Buy
Price:
$0.00
Quantity:
0
Total:
Expires:
end of trading day
Place Order

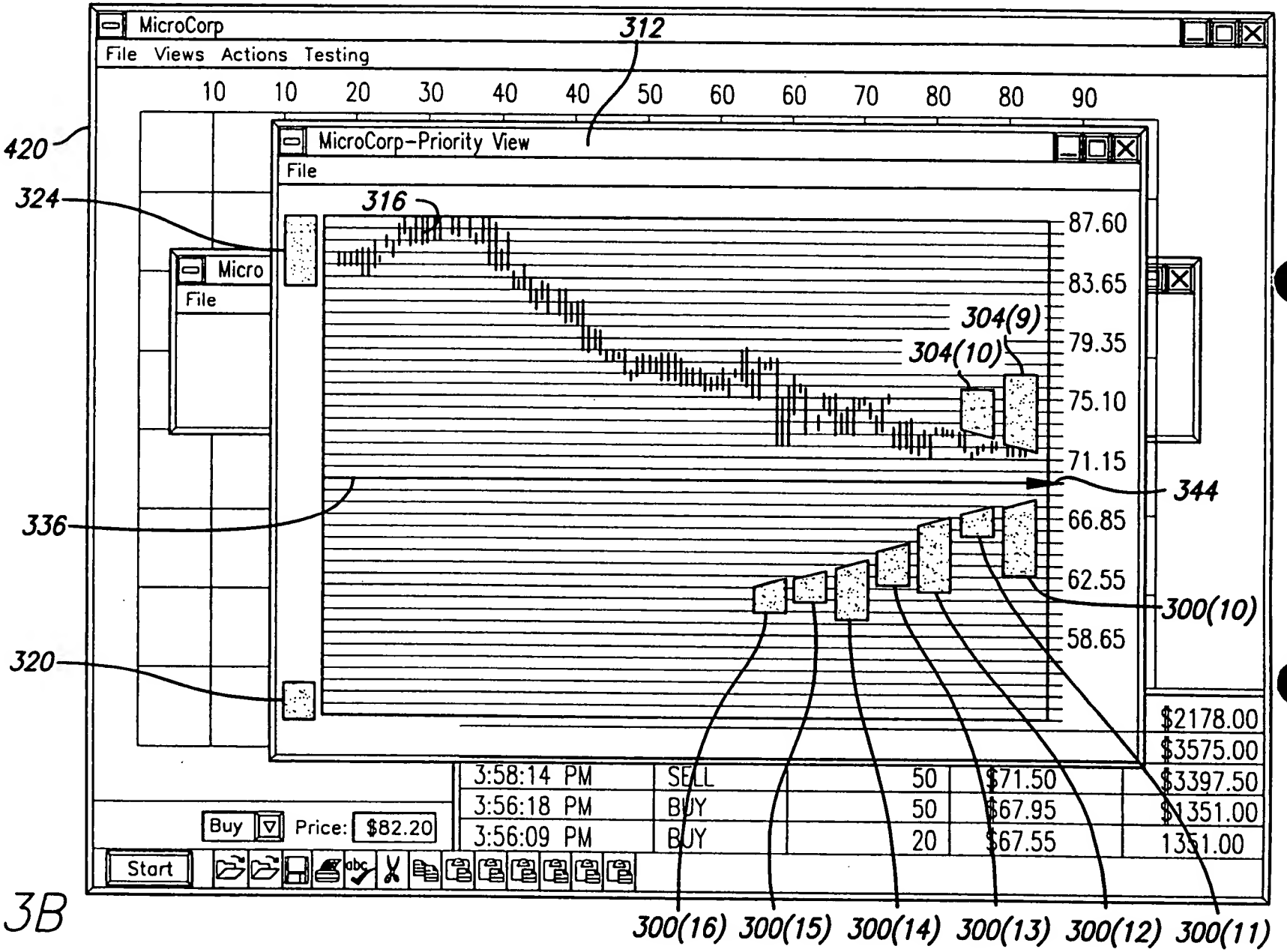
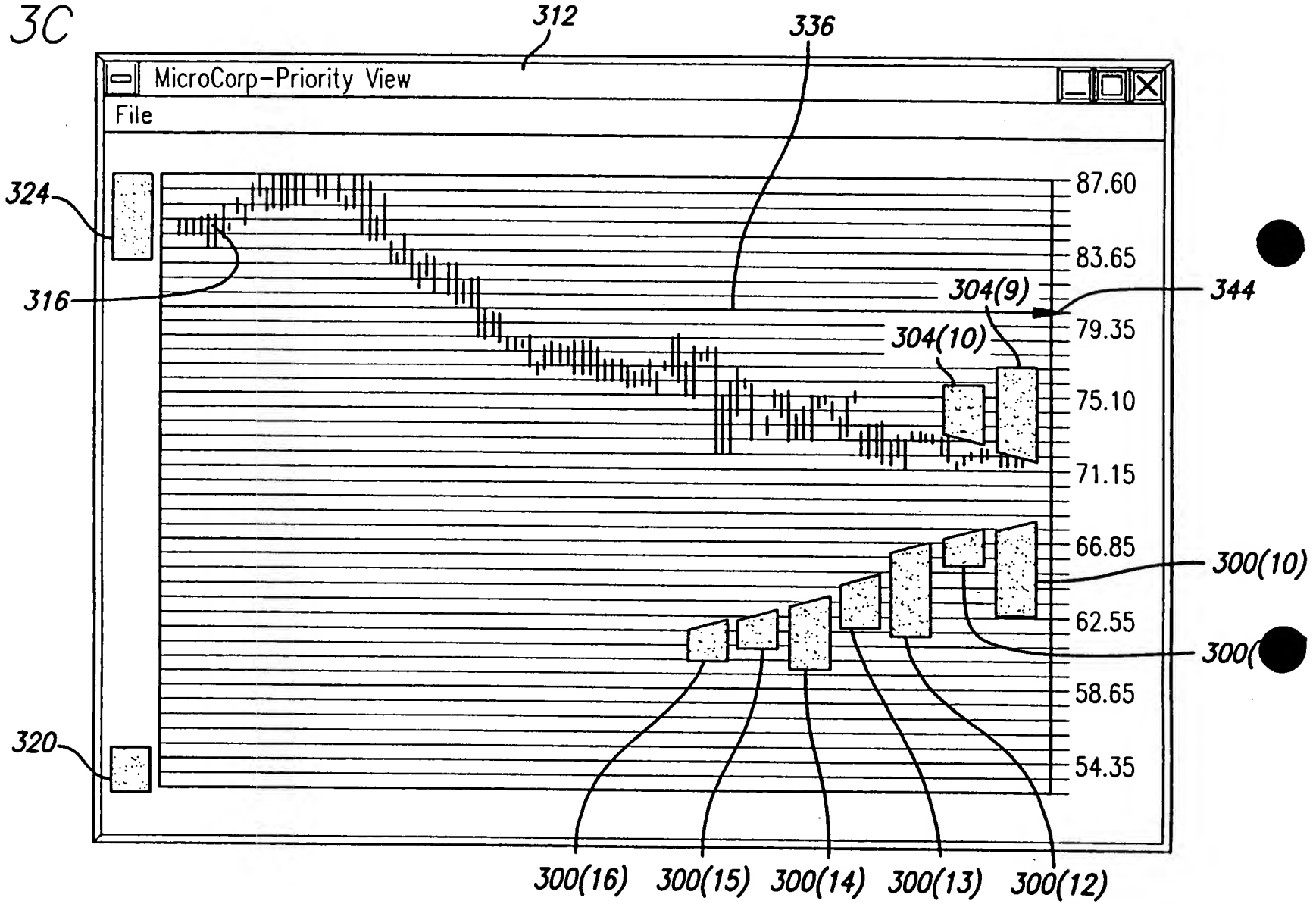

MicroCorp
File Views Actions Testing
312
10 10 20 30 40 40 50 60 60 70 80 80 90
420
MicroCorp-Priority View
File
324
316
Micro
File
87.60
83.65
304(9)
304(10)
79.35
75.10
71.15
344
336
66.85
62.55
300(10)
320
58.65
$2178.00
$3575.00
3:58:14 PM SELL 50 $71.50 $3397.50
3:56:18 PM BUY 50 $67.95 $1351.00
3:56:09 PM BUY 20 $67.55 1351.00
Buy
Price: $82.20
Start
300(16) 300(15) 300(14) 300(13) 300(12) 300(11)

FIG. 3B

FIG. 3C


312
336
MicroCorp-Priority View
File
324
316
320
87.60
83.65
304(9)
344
79.35
304(10)
75.10
71.15
66.85
300(10)
62.55
300(
58.65
54.35
300(16)
300(15)
300(14)
300(13)
300(12)

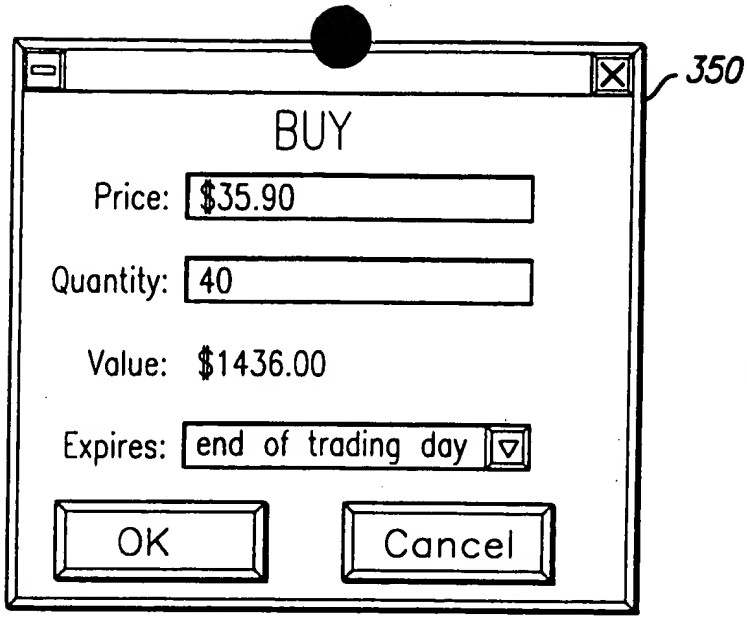


FIG. 3D

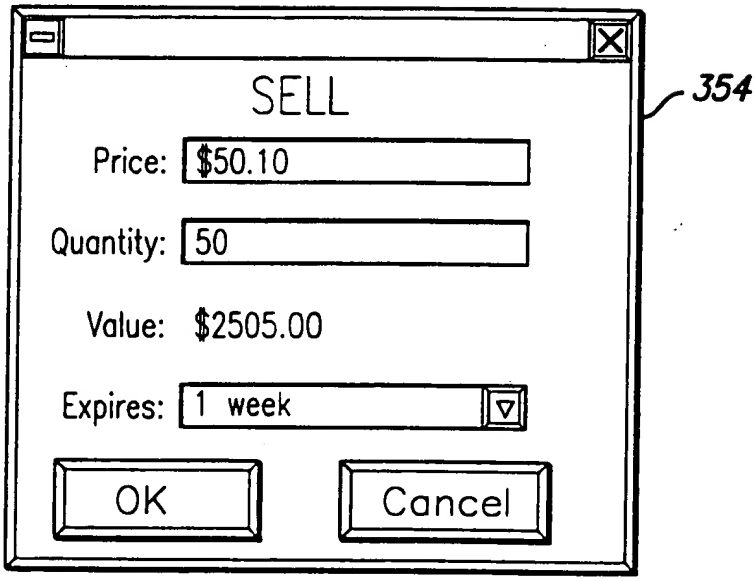


FIG. 3E

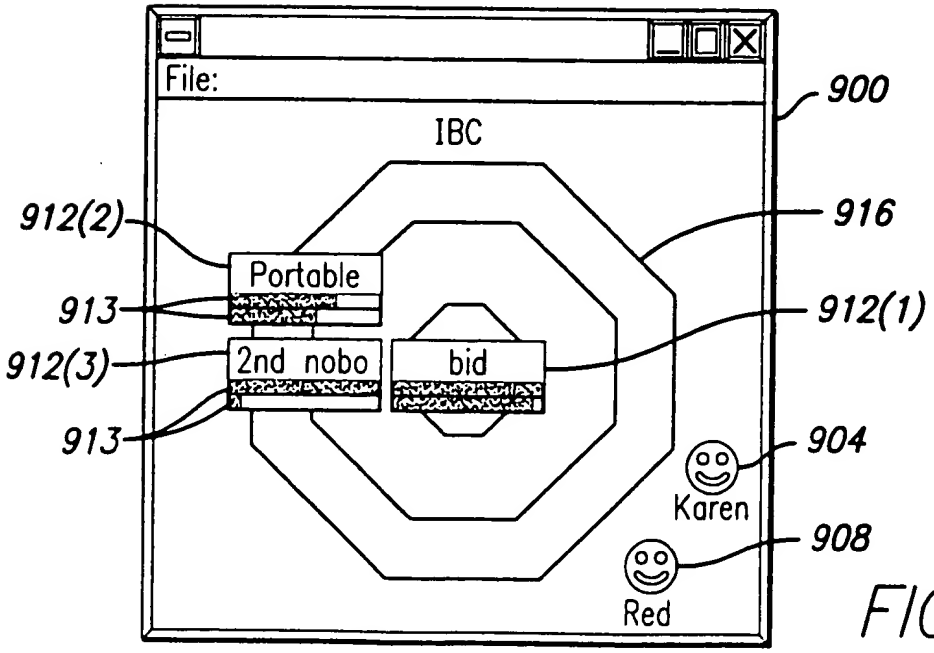
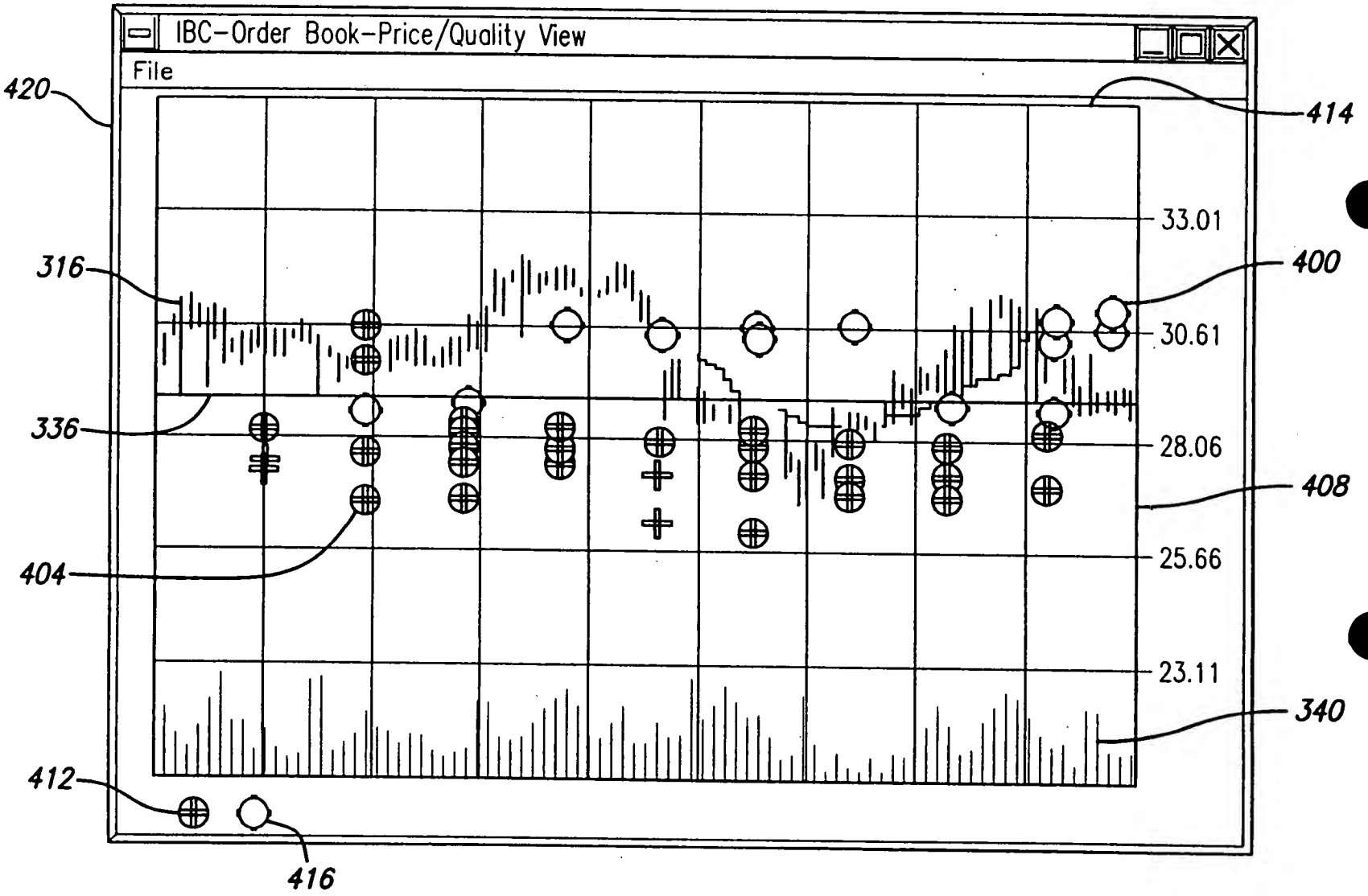


FIG. 9

FIG. 4


IBC–Order Book–Price/Quality View
File
420
414
316
400
336
408
404
340
412
416
33.01
30.61
28.06
25.66
23.11

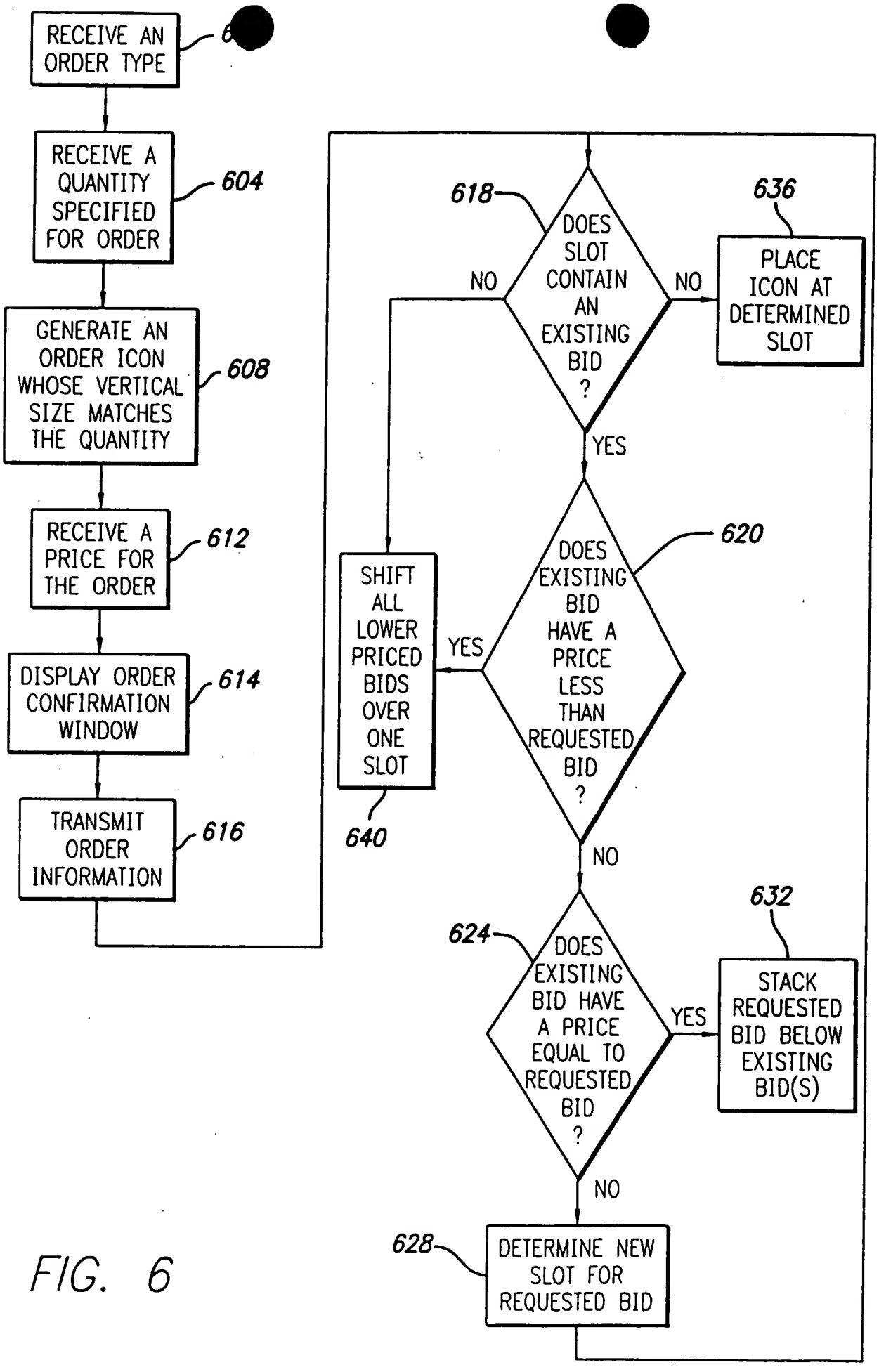

RECEIVE AN ORDER TYPE
RECEIVE A QUANTITY SPECIFIED FOR ORDER
604
GENERATE AN ORDER ICON WHOSE VERTICAL SIZE MATCHES THE QUANTITY
608
RECEIVE A PRICE FOR THE ORDER
612
DISPLAY ORDER CONFIRMATION WINDOW
614
TRANSMIT ORDER INFORMATION
616
618
DOES SLOT CONTAIN AN EXISTING BID ?
NO
YES
636
PLACE ICON AT DETERMINED SLOT
NO
620
DOES EXISTING BID HAVE A PRICE LESS THAN REQUESTED BID ?
YES
SHIFT ALL LOWER PRICED BIDS OVER ONE SLOT
640
NO
624
DOES EXISTING BID HAVE A PRICE EQUAL TO REQUESTED BID ?
YES
632
STACK REQUESTED BID BELOW EXISTING BID(S)
NO
628
DETERMINE NEW SLOT FOR REQUESTED BID

FIG. 6

FIG. 7

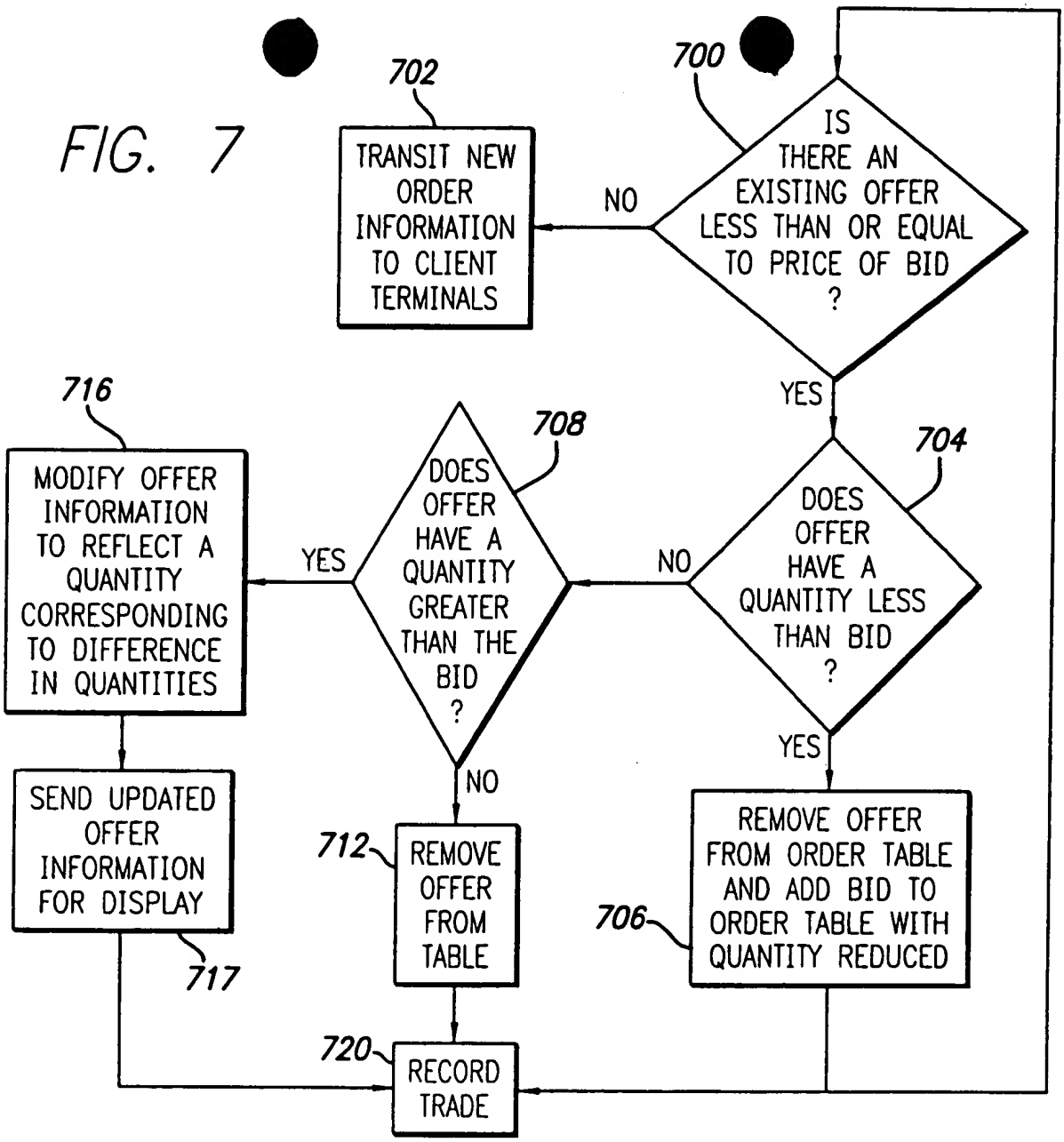

700
IS THERE AN EXISTING OFFER LESS THAN OR EQUAL TO PRICE OF BID ?
NO
YES
702
TRANSIT NEW ORDER INFORMATION TO CLIENT TERMINALS
704
DOES OFFER HAVE A QUANTITY LESS THAN BID ?
NO
YES
708
DOES OFFER HAVE A QUANTITY GREATER THAN THE BID ?
YES
NO
716
MODIFY OFFER INFORMATION TO REFLECT A QUANTITY CORRESPONDING TO DIFFERENCE IN QUANTITIES
706
REMOVE OFFER FROM ORDER TABLE AND ADD BID TO ORDER TABLE WITH QUANTITY REDUCED
712
REMOVE OFFER FROM TABLE
717
SEND UPDATED OFFER INFORMATION FOR DISPLAY
720
RECORD TRADE

FIG. 11

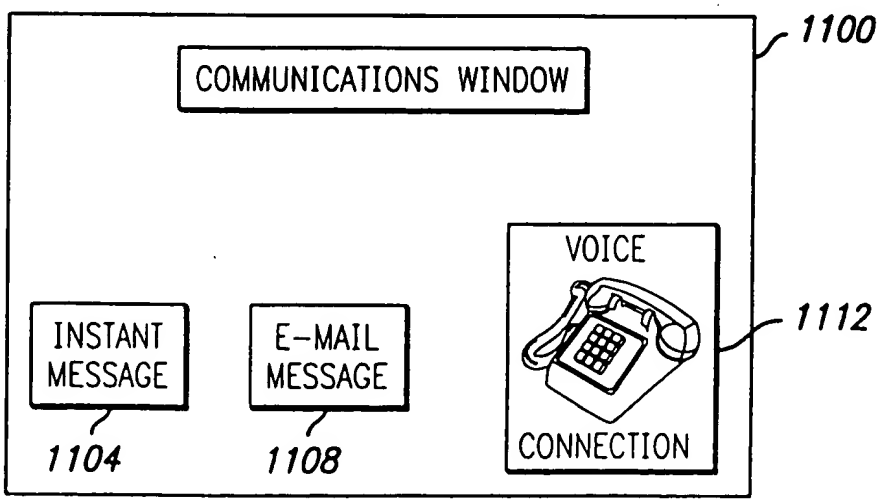
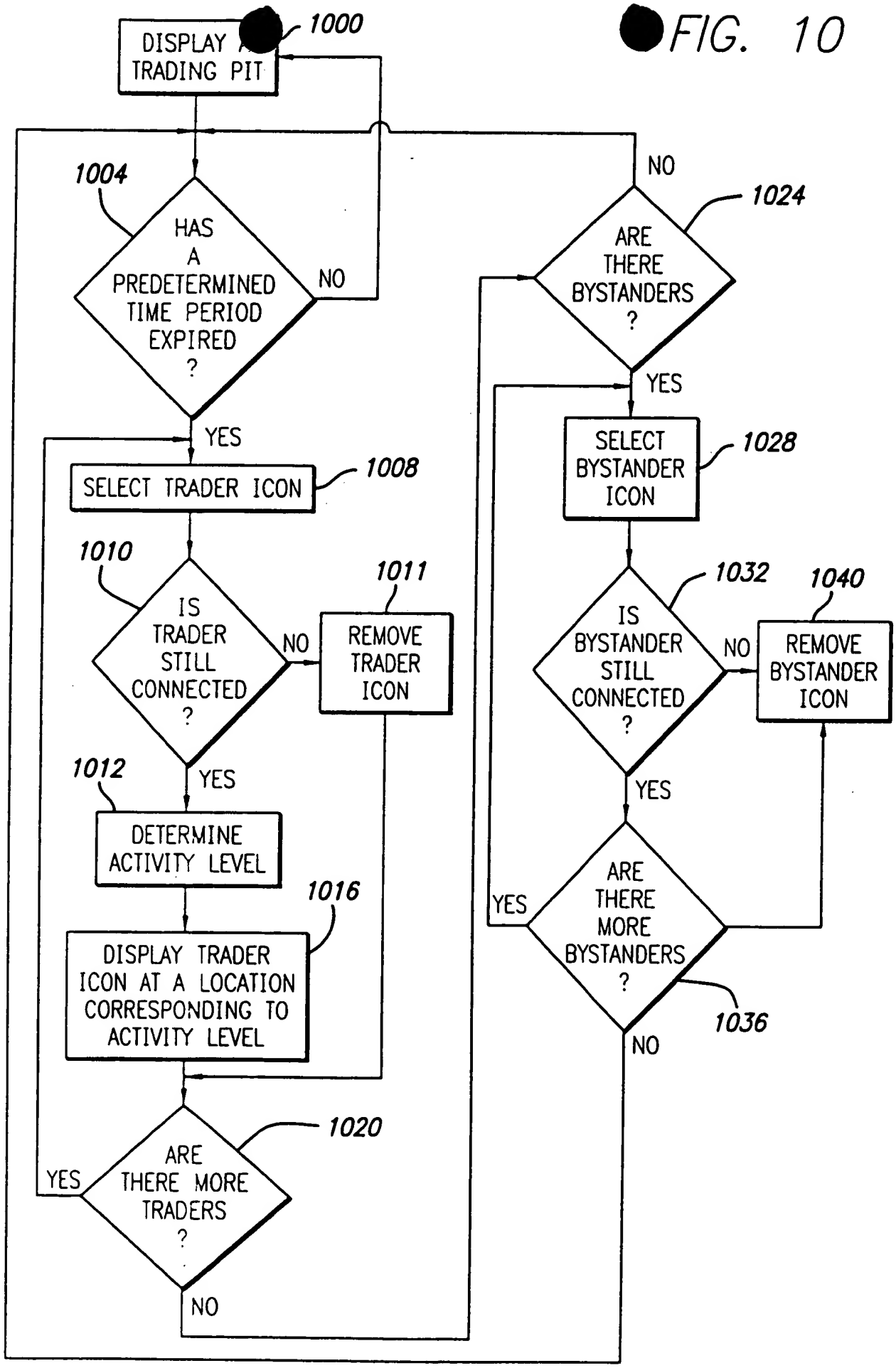

1100
COMMUNICATIONS WINDOW
VOICE
CONNECTION
1112
INSTANT MESSAGE
1104
E-MAIL MESSAGE
1108

FIG. 10


DISPLAY A TRADING PIT
1000
1004
HAS A PREDETERMINED TIME PERIOD EXPIRED ?
NO
YES
SELECT TRADER ICON
1008
1010
IS TRADER STILL CONNECTED ?
NO
1011
REMOVE TRADER ICON
YES
1012
DETERMINE ACTIVITY LEVEL
1016
DISPLAY TRADER ICON AT A LOCATION CORRESPONDING TO ACTIVITY LEVEL
1020
ARE THERE MORE TRADERS ?
YES
NO
NO
1024
ARE THERE BYSTANDERS ?
YES
SELECT BYSTANDER ICON
1028
1032
IS BYSTANDER STILL CONNECTED ?
NO
1040
REMOVE BYSTANDER ICON
YES
ARE THERE MORE BYSTANDERS ?
YES
1036
NO

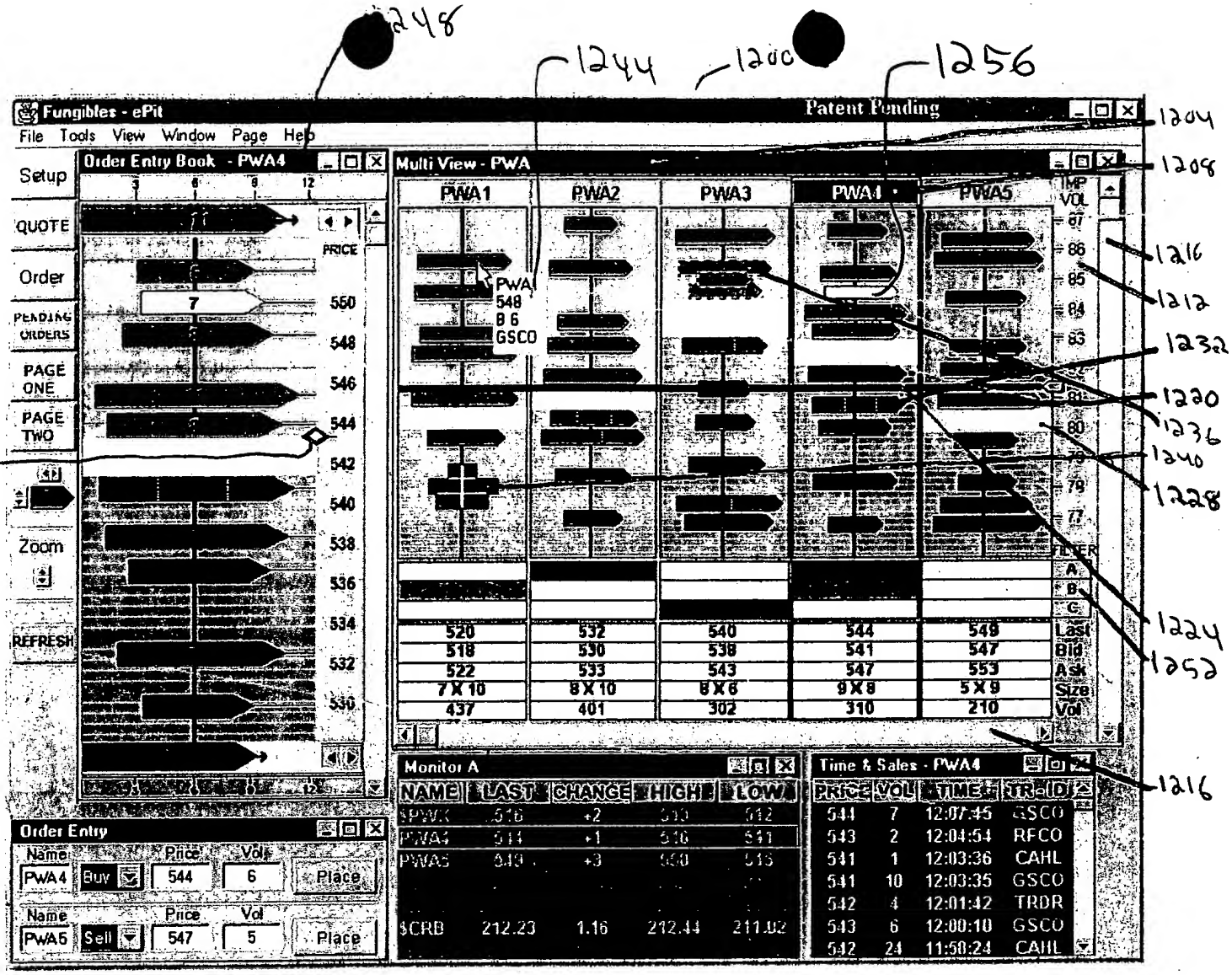

1248
1244
1200
1256
Fungibles - ePit
Patent Pending
File Tools View Window Page Help
1204
1208
Setup
QUOTE
Order
PENDING ORDERS
PAGE ONE
PAGE TWO
Zoom
REFRESH
Order Entry Book - PWA4
PRICE
550
548
546
544
542
540
538
536
534
532
530
Multi View - PWA
PWA1
PWA2
PWA3
PWA4
PWA5
IMP VOL
PWA
548
B 6
GSCO
1216
1212
1232
1220
1236
1240
1228
1260
FILTER
A
B
C
1224
1252
Last 520 532 540 544 548
Bid 518 530 538 541 547
Ask 522 533 543 547 553
Size 7X10 8X10 8X6 9X8 5X9
Vol 437 401 302 310 210
1216
Order Entry
Name Price Vol
PWA4 Buy 544 6 Place
Name Price Vol
PWA5 Sell 547 5 Place
Monitor A
NAME LAST CHANGE HIGH LOW
$PWX .516 +2 .533 .512
PWA4 541 +1 .546 .541
PWA5 .549 +3 .560 .515
$CRB 212.23 1.16 212.44 211.02
Time & Sales - PWA4
PRICE VOL TIME TRADER
544 7 12:07:45 GSCO
543 2 12:04:54 RFCO
541 1 12:03:36 CAHL
541 10 12:03:35 GSCO
542 4 12:01:42 TRDR
543 6 12:00:10 GSCO
542 24 11:58:24 CAHL

Figure 12

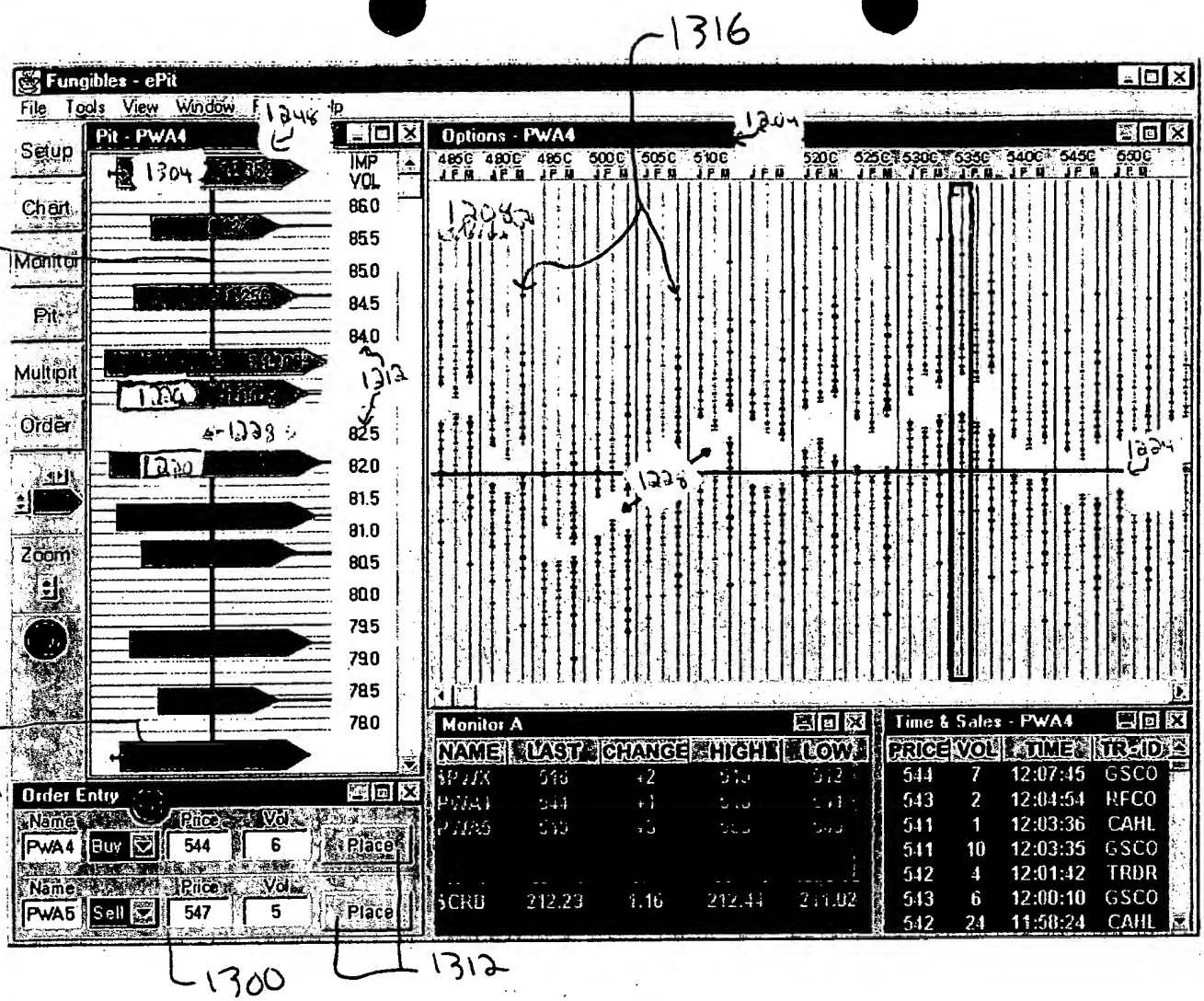

Fungibles - ePit
File Tools View Window Help
Setup
Chart
Monitor
Pit
Multipit
Order
Zoom
Pit - PWA4
IMP VOL
86.0
85.5
85.0
84.5
84.0
82.5
82.0
81.5
81.0
80.5
80.0
79.5
79.0
78.5
78.0
Options - PWA4
Monitor A
NAME LAST CHANGE HIGH LOW
CRD 212.23 1.16 212.44 211.02
Time & Sales - PWA4
PRICE VOL TIME TRADE ID
544 7 12:07:45 GSCO
543 2 12:04:54 RFCO
541 1 12:03:36 CAHL
541 10 12:03:35 GSCO
542 4 12:01:42 TRDR
543 6 12:00:10 GSCO
542 24 11:58:24 CAHL
Order Entry
Name Price Vol
PWA4 Buy 544 6 Place
PWA5 Sell 547 5 Place
1316
1308
1304
1312
1300

Figure 13

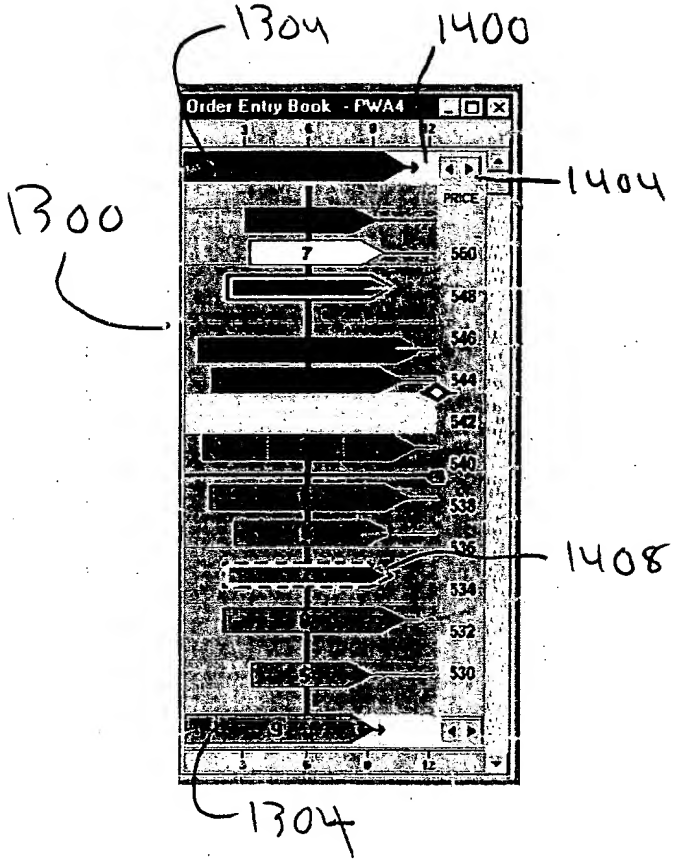

1304
1400
Order Entry Book - PWA4
1404
1300
PRICE
560
548
546
544
542
540
538
536
534
532
530
1408
1304

Figure 14

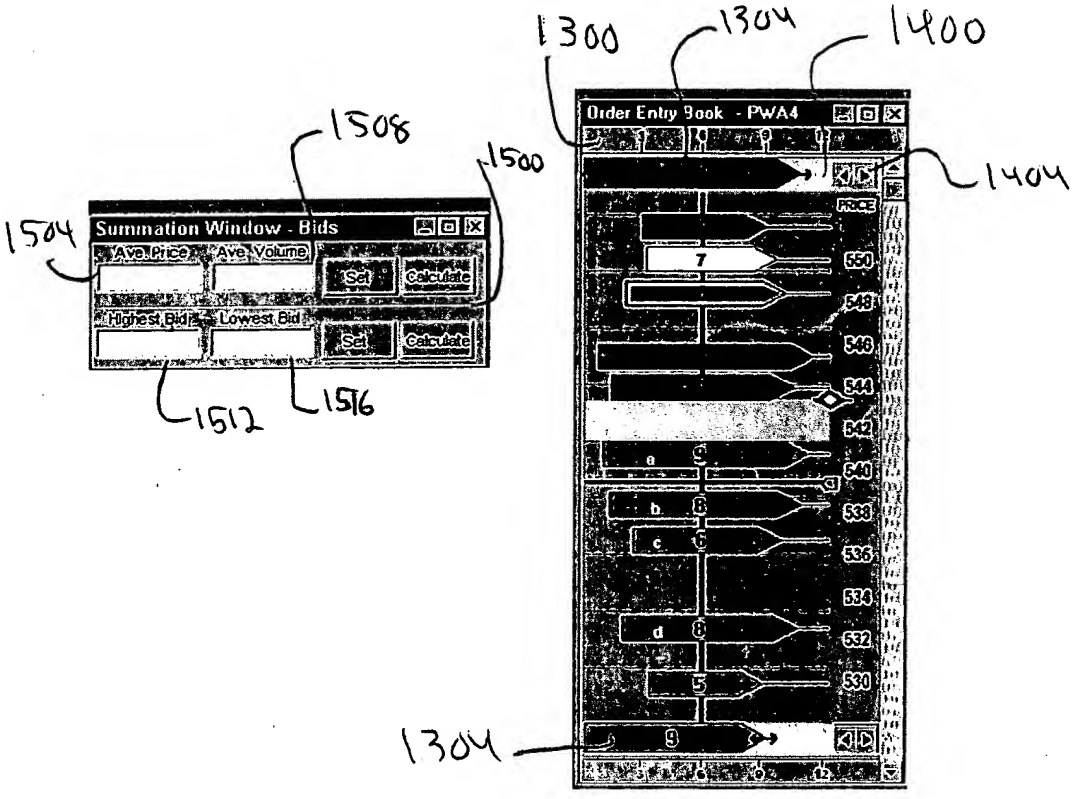

1300
1304
1400
1508
1500
1504
1404
Summation Window - Bids
Ave. Price
Ave. Volume
Set
Calculate
Highest Bid
Lowest Bid
Set
Calculate
1512
1516
Order Entry Book - PWA4
PRICE
550
548
546
544
542
540
538
536
534
532
530
1304

Figure 15